



PYROVIA

CUSTOM TEST INSTRUMENTATION FOR TURBINE ENGINE TESTING

INSTRUMENTATION SOLUTIONS

TEST RAKES AND PROBES | PRECISION MACHINING | CUSTOM FABRICATION

DEVELOPMENT & TESTING SUPPORT

At Instrumentation Pyrovia, we specialize in providing comprehensive instrumentation solutions for turbine engine testing, ensuring optimal performance, safety, and reliability. Our in-house capabilities, including precision machining and fabrication, allow us to deliver tailored solutions that meet the specific demands of your testing needs. From design and prototyping to full-scale testing, we support you at every stage of development.

With a focus on innovation and collaboration, we help you navigate the complexities of turbine engine testing, offering insights needed to improve performance and system reliability. Whether you are evaluating ground test results or optimizing engine efficiency, we provide flexible solutions that meet your unique requirements. We are committed to helping you achieve the highest standards in performance, safety, and efficiency, advancing the future of engine testing.

KEY FEATURES

- Built to high-quality standards
- Manufactured using high-quality components
- Complete instrumentation solution
- Full traceability of materials and operation



AS9100 MACHINING SERVICES

We provide high-precision machining for turbine engine test components, offering services such as CNC milling, turning, grinding, and honing. As an **AS9100-accredited** company, we adhere to the highest quality management standards to meet the rigorous demands of the aerospace and power generation industries.

Our expertise in working with high-temperature alloys and specialized metals ensures that each component meets precise specifications and can endure the extreme conditions found in turbine engines. Whether you are developing small-scale prototypes or require large production runs, we offer the flexibility and precision you need to meet your project's needs.

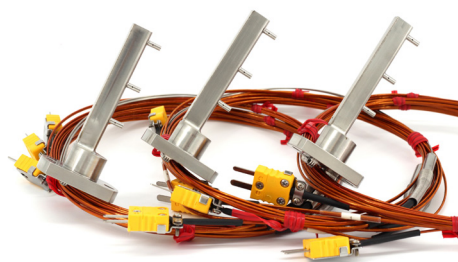
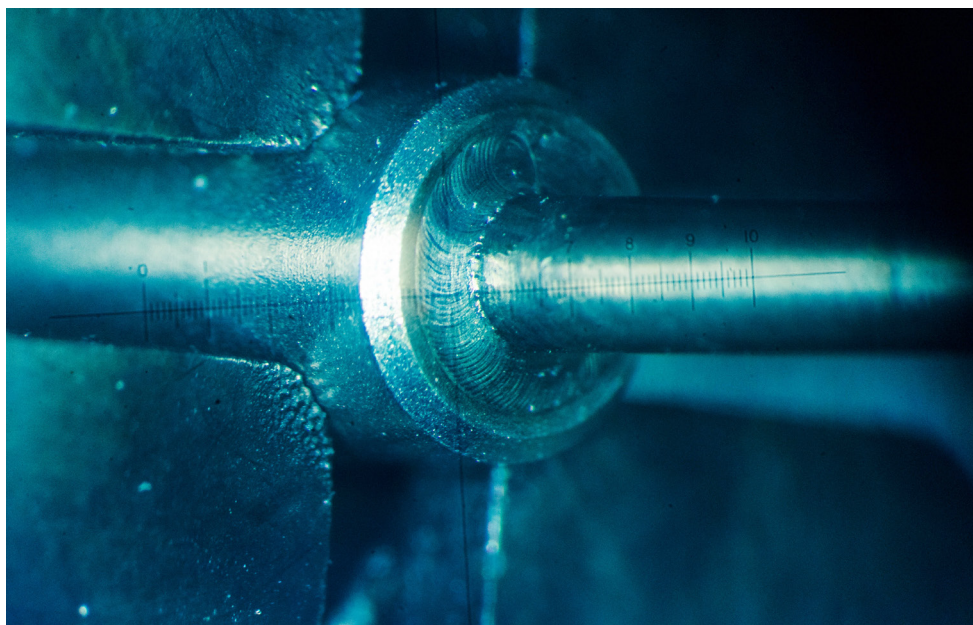
KEY BENEFITS

- Integrated machining, welding and assembly
- Multi-disciplinary team of experts
- Improved product performance and reliability
- Industry-Leading Certifications (AS9100 & ISO17025)

CAPABILITY	DETAILS
CNC MILLING	4 AXIS. 40" X 26" X 25"
CNC TURNING	Ø 14.5" X 30" LONG
SWISS TURNING	Ø 0.500"
GRINDING	CYLINDRICAL AND SURFACE
HONING	Ø 0.060" TO 6"
CMM	20" X 16" X 16", CNC
CAD/CAM	MASTERCAM, ENOVIA, CATIA
MARKING	LASER, DOT PEEN, VIBRO PEN, CNC ENGRAVING

RELATED PRODUCTS

- Engine development components
- External processes such as heat treat, NDT and surface treatments
- Consumables (adhesives, silicon and epoxies)
- Inconel tubing and MI cable



PRECISION FABRICATION

We offer a full range of in-house fabrication services, focusing on precision instrumentation for turbine engine testing. Using advanced technology, our team produces custom components such as thermocouples, instrumented rakes, ensuring accurate and reliable performance in high temperature and high-pressure environments.

Our welding and brazing services enable the creation of complex sensors and instrumentation designs. We use laser micro welding for small, clean welds, TIG welding for robust joints, and brazing to reliably join dissimilar metals. In-house calibration services, accredited to ISO 17025, guarantee that all components meet internationally recognized standards for performance and precision.



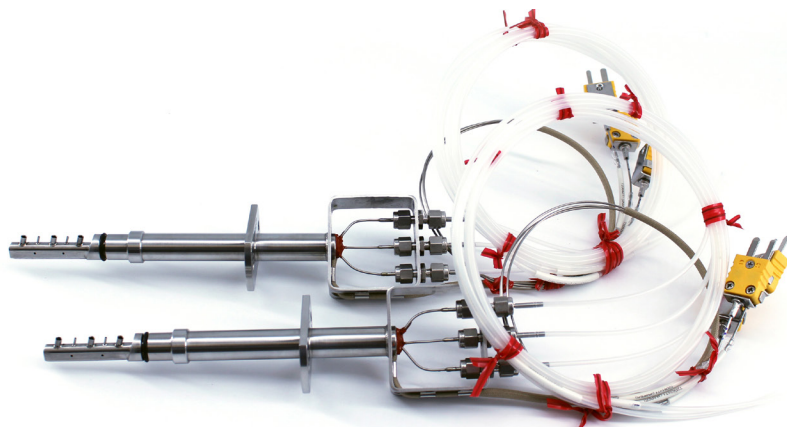


MATERIALS SOURCING

We stock a broad selection of components and accessories to support your turbine engine testing needs. Our extensive inventory includes:

- Inconel Instrumentation Tubing in diameters of 0.040" and 0.062"
- Inconel Mineral Insulated Cable in diameters of 0.040" and 0.062"
- Thermocouple Wire, Connectors, and Accessories
- Formed Shims and Shim Stock

If a specific material or component is not readily available, our team is equipped to help you source it, ensuring you have the right parts at every stage of your project.



TALK TO A SPECIALIST

Discuss your test instrumentation needs with our team.